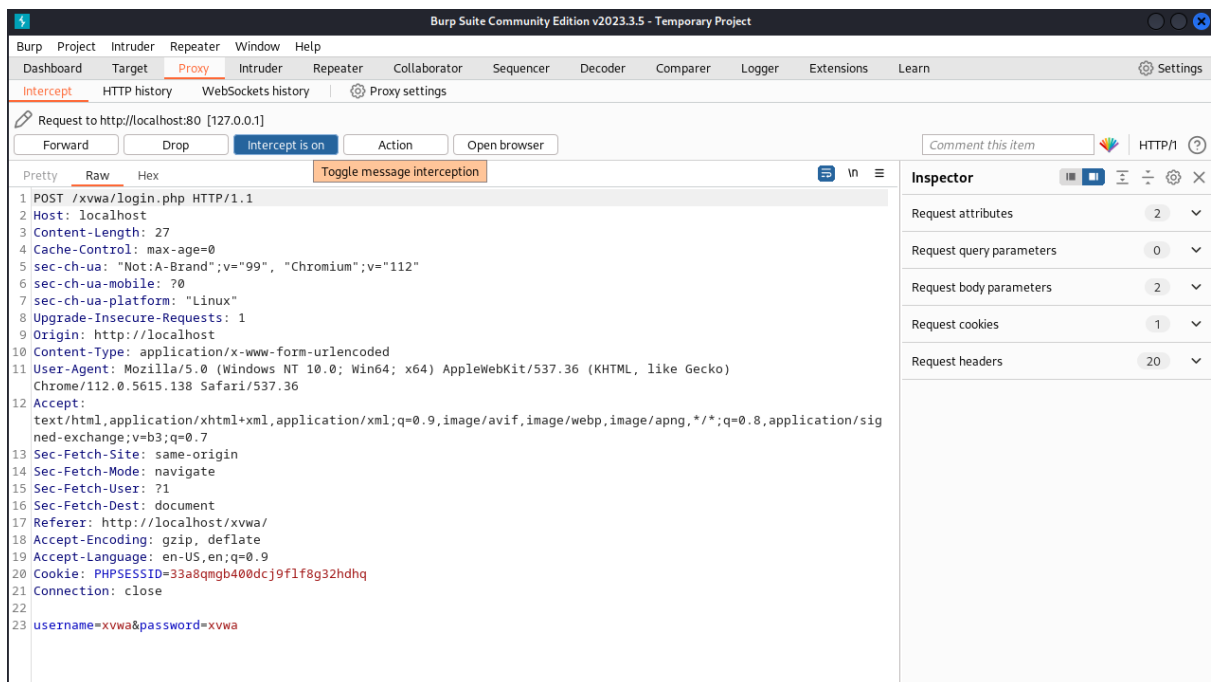
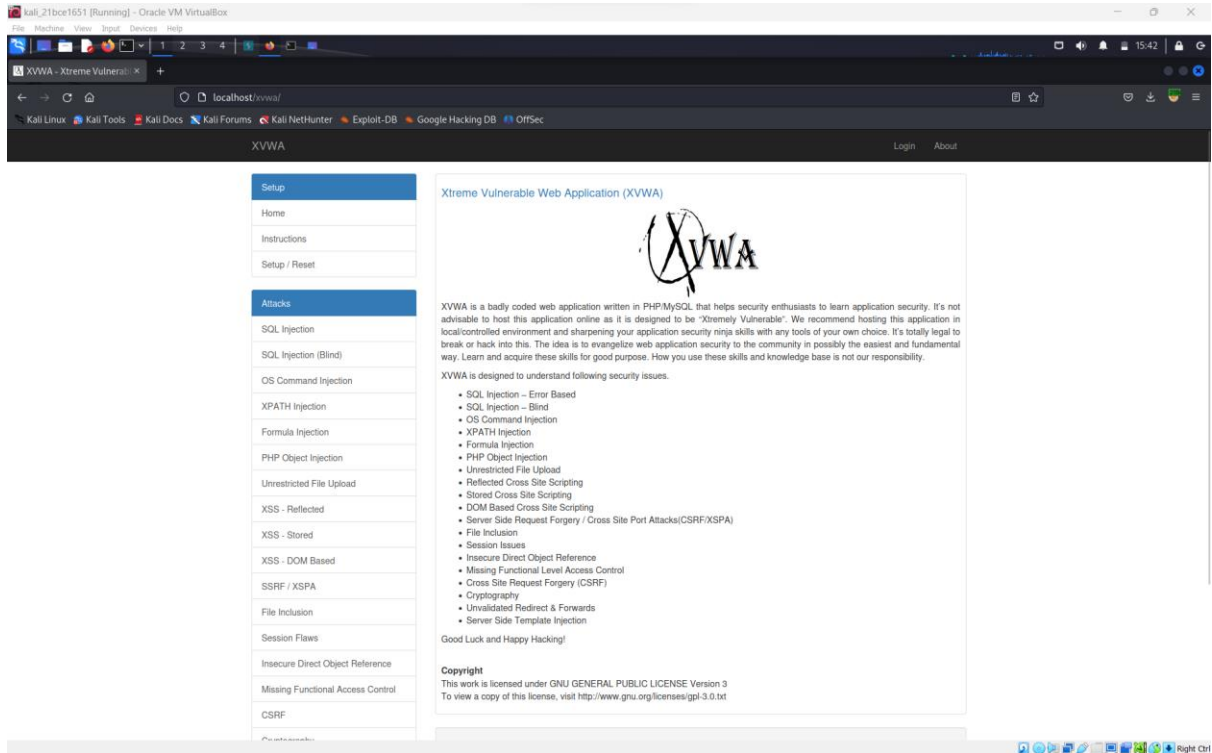


ISM Assignment

21BCE1651

SANTHOSH KRISHNA R



Intercepted request to http://localhost:80 [127.0.0.1]

Forward Drop Intercept is on Action Open browser

Comment this item HTTP/1

Inspector

Request attributes 2

Request query parameters 0

Request body parameters 2

Request cookies 1

Request headers 20

Raw

```
1 POST /xvwa/login.php HTTP/1.1
2 Host: localhost
3 Content-Length: 27
4 Cache-Control: max-age=0
5 sec-ch-ua: "Not:A-Brand";v="99", "Chromium";v="112"
6 sec-ch-ua-mobile: ?0
7 sec-ch-ua-platform: "Linux"
8 Upgrade-Insecure-Requests: 1
9 Origin: http://localhost
10 Content-Type: application/x-www-form-urlencoded
11 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.5615.138 Safari/537.36
12 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7
13 Sec-Fetch-Site: same-origin
14 Sec-Fetch-Mode: navigate
15 Sec-Fetch-User: ?1
16 Sec-Fetch-Dest: document
17 Referer: http://localhost/xvwa/
18 Accept-Encoding: gzip, deflate
19 Accept-Language: en-US,en;q=0.9
20 Cookie: PHPSESSID=33a8qmb400dcj9f1f8g32hdhq
21 Connection: close
22
23 username=xvwa&password=xvwa
```

Scan

- Send to Intruder Ctrl+I
- Send to Repeater Ctrl+R
- Send to Sequencer
- Send to Comparer
- Send to Decoder
- Insert Collaborator payload
- Request in browser >
- Engagement tools [Pro version only] >
- Change request method
- Change body encoding
- Copy URL
- Copy as curl command
- Copy to file
- Paste from file
- Save item
- Don't intercept requests >
- Do intercept >
- Convert selection >
- URL-encode as you type
- Cut Ctrl+X

Sniper attack:

Burp Suite Community Edition v2023.3.5 - Temporary Project

Dashboard Target Proxy Intruder Repeater Collaborator Sequencer Decoder Comparer Logger Extensions Learn Settings

1 x 3 x +

Positions Payloads Resource pool Settings

Choose an attack type

Attack type: Sniper

Start attack

Payload positions

Configure the positions where payloads will be inserted, they can be added into the target as well as the base request.

Target: http://localhost Update Host header to match target

Add \$ Clear \$ Auto \$ Refresh

```
1 POST /xvwa/login.php HTTP/1.1
2 Host: localhost
3 Content-Length: 27
4 Cache-Control: max-age=0
5 sec-ch-ua: "Not:A-Brand";v="99", "Chromium";v="112"
6 sec-ch-ua-mobile: ?0
7 sec-ch-ua-platform: "Linux"
8 Upgrade-Insecure-Requests: 1
9 Origin: http://localhost
10 Content-Type: application/x-www-form-urlencoded
11 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.5615.138 Safari/537.36
12 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7
13 Sec-Fetch-Site: same-origin
14 Sec-Fetch-Mode: navigate
15 Sec-Fetch-User: ?1
16 Sec-Fetch-Dest: document
17 Referer: http://localhost/xvwa/
18 Accept-Encoding: gzip, deflate
19 Accept-Language: en-US,en;q=0.9
20 Cookie: PHPSESSID=$33a8qmb400dcj9f1f8g32hdhq$
21 Connection: close
22
23 username=$xvwa$&password=$xvwa$
```

1 x4 x5 x+

DashboardTargetProxyIntruderRepeaterCollaboratorSequencerDecoderComparerLoggerExtensionsLearn

Settings

PositionsPayloadsResource poolSettings

?

Payload sets

Start attack

You can define one or more payload sets. The number of payload sets depends on the attack type defined in the Positions tab. Various payload types are available for each payload set, and each payload type can be customized in different ways.

Payload set:1

Payload count: 4

Payload type:Simple list

Request count: 12

?

Payload settings [Simple list]

This payload type lets you configure a simple list of strings that are used as payloads.

Paste

Load ...

Remove

Clear

Deduplicate

Add

Add from list ... [Pro version only]

user

xvwa

admin

password

?

Payload processing

You can define rules to perform various processing tasks on each payload before it is used.

Add

Edit

Remove

Up

Down

Enabled

Rule

?

Payload encoding

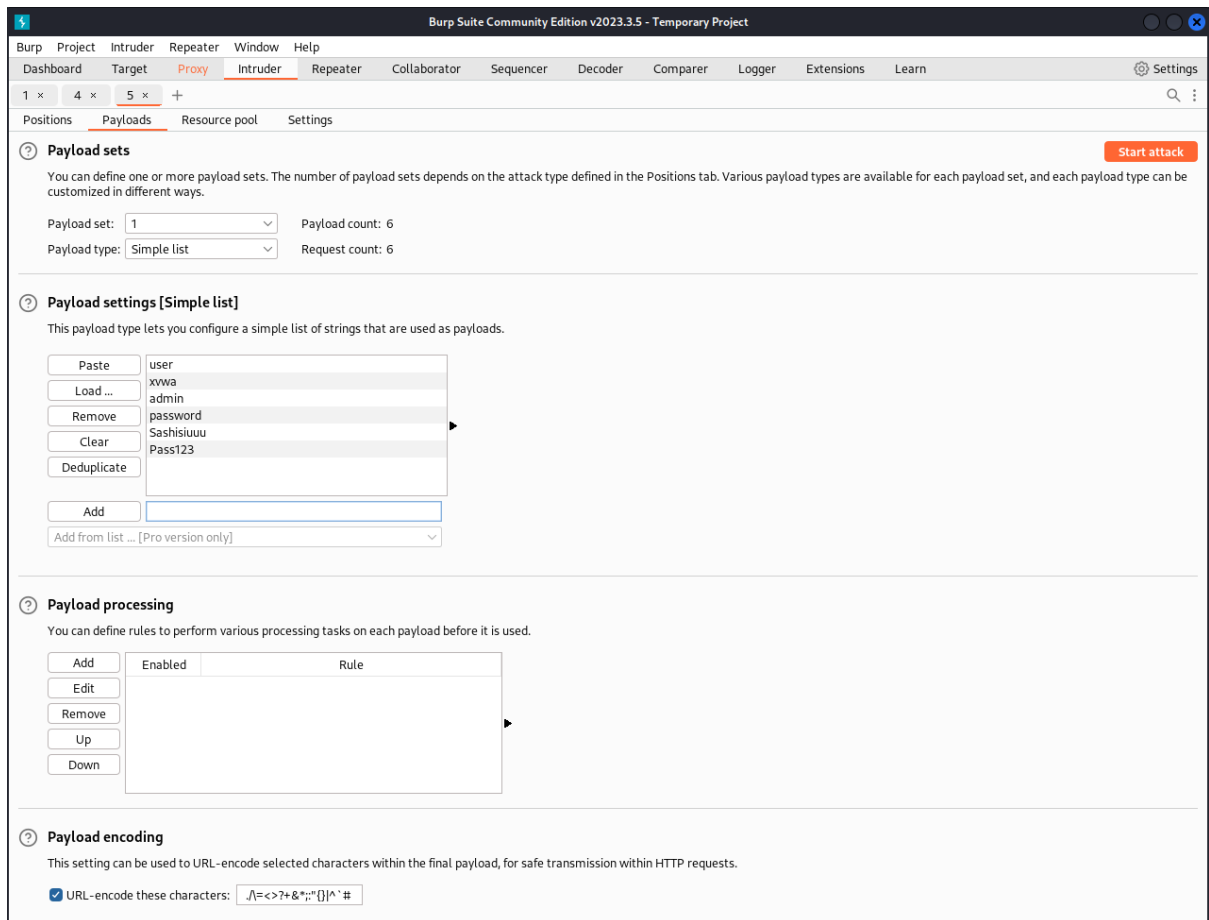
This setting can be used to URL-encode selected characters within the final payload, for safe transmission within HTTP requests.

☒ URL-encode these characters:

./!@<>?+&*~"{}|^`#

2. Intruder attack of http://localhost - Temporary attack - Not saved to project file							
AttackSaveColumns							
ResultsPositionsPayloadsResource poolSettings							
Filter: Showing all items							
Request	Position	Payload	Status	Error	Timeout	Length	Comment
0			500	<input type="checkbox"/>	<input type="checkbox"/>	295	
1	1	user	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
2	1	xvwa	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
3	1	admin	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
4	1	password	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
5	2	user	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
6	2	xvwa	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
7	2	admin	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
8	2	password	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
9	3	user	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
10	3	xvwa	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
11	3	admin	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
12	3	password	500	<input type="checkbox"/>	<input type="checkbox"/>	295	

Battering Ram:

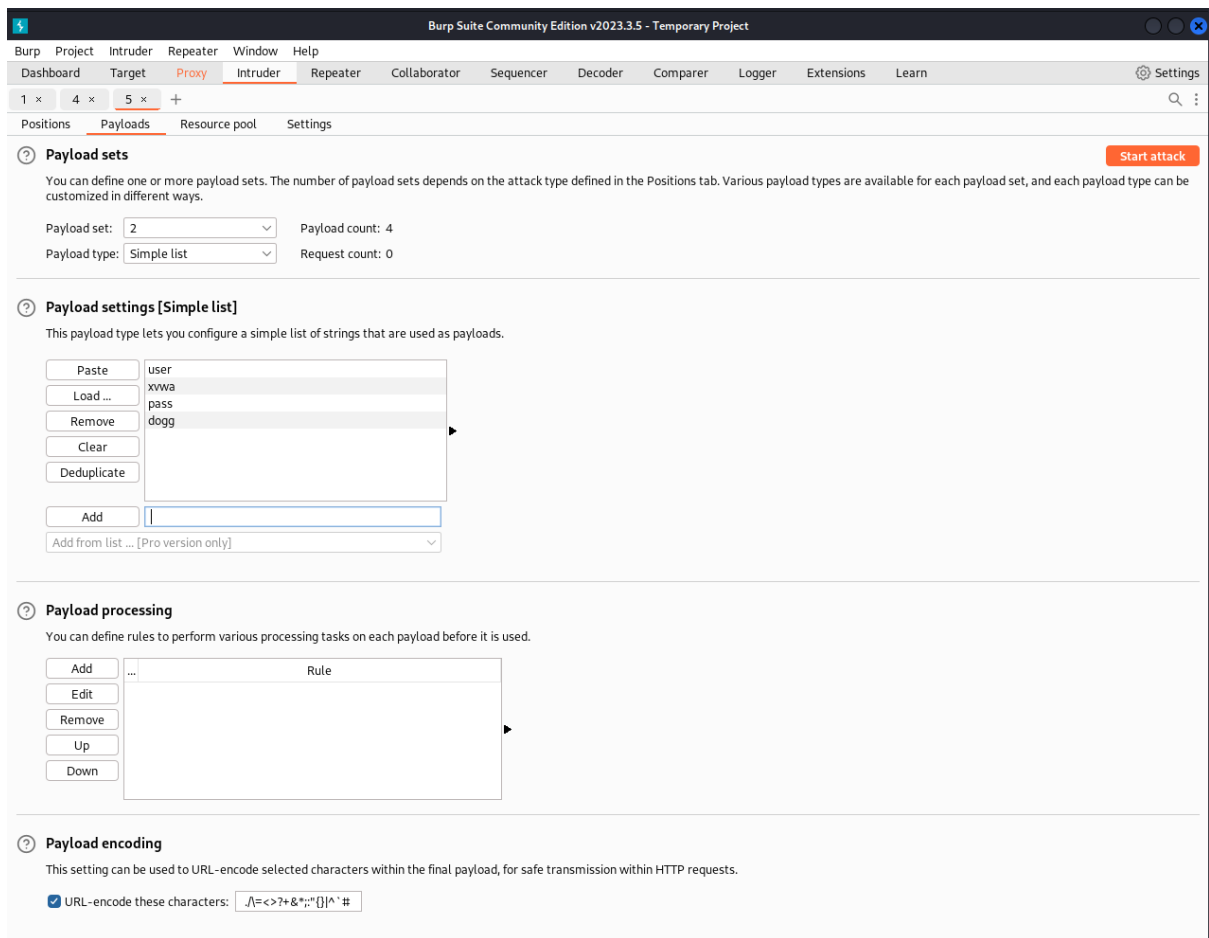


3. Intruder attack of http://localhost - Temporary attack - Not saved to project file							
Attack Save Columns							
Results Positions Payloads Resource pool Settings							
Filter: Showing all items							
Request ^	Payload	Status	Error	Timeout	Length	Comment	
0		500	<input type="checkbox"/>	<input type="checkbox"/>	295		
1	user	500	<input type="checkbox"/>	<input type="checkbox"/>	295		
2	xvwa	500	<input type="checkbox"/>	<input type="checkbox"/>	295		
3	admin	500	<input type="checkbox"/>	<input type="checkbox"/>	295		
4	password	500	<input type="checkbox"/>	<input type="checkbox"/>	295		
5	Pass123	500	<input type="checkbox"/>	<input type="checkbox"/>	295		

Finished

Length of all the requests are the same, hence Battering Ram Intruder attack wasn't able to find.

Pitchfork:



4. Intruder attack of http://localhost - Temporary attack - Not saved to project file							
Attack Save Columns							
Results Positions Payloads Resource pool Settings							
Filter: Showing all items							
Request ^	Payload 1	Payload 2	Status	Error	Timeout	Length	Comment
0			500	<input type="checkbox"/>	<input type="checkbox"/>	295	
1	user	user	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
2	xvwa	xvwa	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
3	admin	pass	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
4	password	dogg	500	<input type="checkbox"/>	<input type="checkbox"/>	295	

Finished

Length of all the requests are the same, hence pitchfork Intruder attack wasn't able to find.

Clustering Bomb:

1 x4 x5 x+

DashboardTargetProxyIntruderRepeaterCollaboratorSequencerDecoderComparerLoggerExtensionsLearn

Settings

PositionsPayloadsResource poolSettings

?

Payload sets

Start attack

You can define one or more payload sets. The number of payload sets depends on the attack type defined in the Positions tab. Various payload types are available for each payload set, and each payload type can be customized in different ways.

Payload set:1

Payload count: 5

Payload type:Simple list

Request count: 20

?

Payload settings [Simple list]

This payload type lets you configure a simple list of strings that are used as payloads.

Paste

Load ...

Remove

Clear

Deduplicate

user

xxwa

admin

password

Pass123

Add

Enter a new item

Add from list ... [Pro version only]

?

Payload processing

You can define rules to perform various processing tasks on each payload before it is used.

Add

Edit

Remove

Up

Down

Enabled

Rule

?

Payload encoding

This setting can be used to URL-encode selected characters within the final payload, for safe transmission within HTTP requests.

☒ URL-encode these characters:

`.!|=<>?+&*~'"[]^`#`

5. Intruder attack of http://localhost - Temporary attack - Not saved to project file

Attack Save Columns

Results Positions Payloads Resource pool Settings

Filter: Showing all items

Request ^	Payload 1	Payload 2	Status	Error	Timeout	Length	Comment
0			500	<input type="checkbox"/>	<input type="checkbox"/>	295	
1	user	user	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
2	xvwa	user	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
3	admin	user	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
4	password	user	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
5	Pass123	user	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
6	user	xvwa	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
7	xvwa	xvwa	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
8	admin	xvwa	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
9	password	xvwa	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
10	Pass123	xvwa	500	<input type="checkbox"/>	<input type="checkbox"/>	295	
11	user	pass	500	<input type="checkbox"/>	<input type="checkbox"/>	295	

Request Response

Pretty Raw Hex

```

1 POST /xvwa/login.php HTTP/1.1
2 Host: localhost
3 Content-Length: 30
4 Cache-Control: max-age=0
5 sec-ch-ua: "Not:A-Brand";v="99", "Chromium";v="112"
6 sec-ch-ua-mobile: ?0
7 sec-ch-ua-platform: "Linux"
8 Upgrade-Insecure-Requests: 1
9 Origin: http://localhost
10 Content-Type: application/x-www-form-urlencoded
11 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.5615.138 Safari/537.36

```

? ⚙️ ⬅️ ➡️ Search... 0 matches

Finished

Show response in browser

To show this response in your browser, copy the URL below and paste into a browser that is configured to use Burp as its proxy.


http://burpsuite/show/1/zmcfsfnzmbpxipv26x40a3re5ir43065r
Copy

☐ In future, just copy the URL and don't show this dialog
Close

XVWA Admin About

Setup
Home
Instructions
Setup / Reset

Attacks
SQL Injection
SQL Injection (Blind)
OS Command Injection
XPath Injection
Formula Injection
PHP Object Injection
Unrestricted File Upload

Xtreme Vulnerable Web Application (XVWA)


XVWA is a badly coded web application written in PHP/MySQL that helps security enthusiasts to learn application security. It's not advisable to host this application online as it is designed to be "Xtremely Vulnerable". We recommend hosting this application in local/controlled environment and sharpening your application security ninja skills with any tools of your own choice. It's totally legal to break or hack into this. The idea is to evangelize web application security to the community in possibly the easiest and fundamental way. Learn and acquire these skills for good purpose. How you use these skills and knowledge base is not our responsibility.

XVWA is designed to understand following security issues.

- SQL Injection - Error Based
- SQL Injection - Blind
- OS Command Injection
- XPath Injection
- Formula Injection
- PHP Object Injection
- Unrestricted File Upload
- Reflected Cross Site Scripting
- Stored Cross Site Scripting

Hence, we got logged into XVWA Website using Clustering Bomb.